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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
09/501,944	02/10/2000	Srinivasan Venkatesan	OBC-98	4578
24963 7	590 07/02/2003			
ENERGY CONVERSION DEVICES, INC. 2956 WATERVIEW DRIVE ROCHESTER HILLS, MI 48309			EXAMINER	
			MERCADO, JULIAN A	
			ART UNIT	PAPER NUMBER
	•		1745	
	-		DATE MAILED: 07/02/2003	

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application N .	Applicant(s)
		09/501,944	VENKATESAN ET AL.
	Office Action Summary	Examin r	Art Unit
		Julian A. Mercado	1745
	The MAILING DATE of this communication app	pears on the cover sheet w	ith the corresp ndence address
Period fo	•	VIO OFT TO EVEIDE OF	AONTH (C) FDOM
THE - Exte after - If the - If NC - Failu - Any	ORTENED STATUTORY PERIOD FOR REPL' MAILING DATE OF THIS COMMUNICATION. nsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. period for reply specified above is less than thirty (30) days, a reply period for reply is specified above, the maximum statutory period verter to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing ad patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a y within the statutory minimum of thin will expire SIX (6) MOI to cause the application to become A	reply be timely filed ty (30) days will be considered timely. NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).
1)⊠	Responsive to communication(s) filed on 07 A	April 2003 .	
2a)⊠	<u> </u>	is action is non-final.	
3)□	Since this application is in condition for allows		atters, prosecution as to the merits is
,	closed in accordance with the practice under ion of Claims		
4)	Claim(s) <u>1,4-7,10-13,15,17 and 18</u> is/are pend	ding in the application.	
•	4a) Of the above claim(s) is/are withdraw	wn from consideration.	
5)	Claim(s) is/are allowed.		
6)[Claim(s) <u>1,4,6,7,10,12,13,15 and 17</u> is/are reje	ected.	
7)	Claim(s) <u>5,11 and 18</u> is/are objected to.		
8)□	Claim(s) are subject to restriction and/o	r election requirement.	
Applicati	on Papers		
9)	The specification is objected to by the Examine	r.	
10)	The drawing(s) filed on is/are: a)☐ accept	oted or b) objected to by	the Examiner.
	Applicant may not request that any objection to the		
11)[The proposed drawing correction filed on		disapproved by the Examiner.
_	If approved, corrected drawings are required in re	•	
12)	The oath or declaration is objected to by the Ex	aminer.	
_	ınder 35 U.S.C. §§ 119 and 120		
	Acknowledgment is made of a claim for foreign	n priority under 35 U.S.C.	§ 119(a)-(d) or (f).
a)	☐ All b)☐ Some * c)☐ None of:		
	1. Certified copies of the priority document	s have been received.	
	2. Certified copies of the priority document	s have been received in A	Application No
* 5	3. Copies of the certified copies of the prior application from the International Buse the attached detailed Office action for a list	reau (PCT Rule 17.2(a)).	
14) 🗌 <i>A</i>	Acknowledgment is made of a claim for domesti	c priority under 35 U.S.C.	§ 119(e) (to a provisional application).
а) The translation of the foreign language pro Acknowledgment is made of a claim for domest	ovisional application has b	een received.
رارد، Attachmen	-	io priority under 30 0.3.0	. 33 120 GHG/OF 121.
1) 🔀 Notic 2) 🔲 Notic	e of References Cited (PTO-892) of of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449) Paper No(s) _	5) Notice of	Summary (PTO-413) Paper No(s) Informal Patent Application (PTO-152)

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DETAILED ACTION

Remarks

This Office Action is responsive to Applicant's amendment filed April 7, 2003.

Claim Rejections - 35 USC § 103

The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Claims 1, 4, 6, 7, 10, 12, 13, 15, and 17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ikoma et al. in view of Bougauchi et al.

The above rejection has been discussed in detail in the previous Office Action. As the scope of the present claims are presented unamended from those considered in the previous Office Action, the prior art rejection is maintained for the reasons and for the additional reasons to follow.

Applicant's arguments filed with the present amendment have been fully considered, however they are not persuasive.

The examiner acknowledges the scope of applicant's claim which is drawn to a nickel hydroxide active material and therefore implicitly a positive electrode active material. In consideration of applicant's arguments, it appears to the examiner that applicant has assumed a priori that Bougauchi employs a zinc electrode (by convention a negative electrode) and therefore, the pectin is not employed as part of the active material in a positive electrode. The examiner wishes to clarify, however, that Bougauchi merely discloses pectin as part of "the

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binder consisting of Zn oxide powder and Zn powder or a simple substance of Zn powder."

(Abstract) Nowhere does Bougauchi recite that the pectin is limited to use within the active material of a *negative electrode*, nor does Bougauchi state that the Zn oxide or powder is in itself the active material of such an electrode. The Zn oxide or powder as clearly paraphrased herein is part of the electrode's binder and not the active material *per se*.

As evidence of Zn oxide or powder as a binder material of a *positive electrode* in combination with a positive electrode active material such as nickel hydroxide, the examiner relies on U.S. Patent 5,132,177 to Kawano et al. The patentees show a positive electrode of nickel hydroxide with the addition of zinc or a zinc compound. (col. 2 line 27-34, col. 4 line 36-65) Note that contrary to applicant's assumption, zinc (Zn) disclosed in admixture to an electrode active material composition does not in itself define a negative electrode. Thus, the prior art rejection based on Ikoma et al. in view of Bougauchi et al. is maintained for the reasons of record. Applicant's arguments thereto are not persuasive for the reasons discussed above and in view of the evidence relied upon demonstrated by Kawano et al.

Allowable Subject Matter

As discussed in the prior Office Action, claims 5, 11 and 18 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

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Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. U.S. Patent 5,132,177 to Kawano et al. for the reasons discussed *supra*.

THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Julian A. Mercado whose telephone number is (703) 305-0511.

The examiner can normally be reached on Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick J. Ryan, can be reached on (703) 308-2383. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9310 for regular communications and (703) 872-9311 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0661.

June 28, 2003

Patrick Ryan
Supervisory Patent Examiner
Technology Center 1700